

CLAIMS

1. A camera system comprising:

a photographing mode selection device that selects one of a single-shot photographing mode for photographing an image for a single frame in response to a photographing instruction and a continuous shooting mode for photographing images for a plurality of frames in response to a photographing instruction;

10 a discharge control-type first illuminating device that emits illuminating light toward a subject in response to a light emission instruction issued after light emission is enabled;

15 a current-controlled second illuminating device that emits illuminating light toward the subject in response to the light emission instruction; and

an illumination control device that issues a light emission instruction to the first illuminating device if the single-shot photographing mode has been selected by the photographing mode selection device and issues the light emission instruction to the second illuminating device if the continuous shooting mode has been selected by the photographing mode selection device.

2. A camera system according to claim 1, wherein:

the first illuminating device comprises a charge circuit; and

if an extent of electrical charge achieved in the charge circuit is still under a predetermined level when a
5 light emission instruction is to be issued to the first illuminating device, the illumination control device issues the light emission instruction to the second illuminating device instead of the first illuminating device.

10 3. A camera system according to claim 1 or claim 2, further comprising:

an imaging device that captures a subject image and outputs an imaging signal, wherein:

15 the second illuminating device repeatedly emits light and turns off light in synchronization with timing with which the imaging device captures an image for each frame.

4. A camera system comprising:

20 a discharge control-type first illuminating device that emits illuminating light toward a subject in response to a light emission instruction issued after light emission is enabled;

25 a current-controlled second illuminating device that emits illuminating light toward the subject in response to the light emission instruction; and

an illumination control device that (1) issues the light emission instruction to one of the first illuminating device and the second illuminating device if a shutter speed for a photographing operation is set equal to or lower than
5 a synchronous speed for the first illuminating device and (2) issues the light emission instruction to the second illuminating device if the shutter speed for the photographing operation is set higher than the synchronous speed.

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5. A camera system according to claim 4, wherein:

the illumination control device (3) issues the light emission instruction to the second illuminating device if the shutter speed for the photographing operation is set equal to or lower than a predetermined speed that is lower than the synchronous speed for the first illuminating device and (4) issues the light emission instruction to the first illuminating device if the shutter speed for the photographing operation is set higher than the predetermined speed and also equal to or lower than the synchronous speed.
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6. A camera system according to claim 5, further comprising:

a photographing control device that issues an instruction for the second illuminating device to start light
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emission and an exposure start instruction in response to a photographing instruction when the shutter speed for the photographing operation is set equal to or less than the predetermined speed, and issues an exposure end instruction
5 and a light emission stop instruction for the second illuminating device when a predetermined length of time elapses following the exposure start.

7. A camera system according to claim 4, wherein:
10 the illumination control device (3) issues the light emission instruction to one of the first illuminating device and the second illuminating device if the shutter speed for the photographing operation is set equal to or lower than a predetermined speed that is lower than the synchronous speed
15 for the first illuminating device and (4) issues the light emission instruction to the first illuminating device if the shutter speed for the photographing operation is set higher than the predetermined speed and also equal to or lower than the synchronous speed.

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8. A camera system according to claim 7, wherein:
the illumination control device issues the light emission instruction to the first illuminating device when a front curtain sync photography or a rear curtain sync
25 photography is to be executed.

9. A camera system comprising:

a photographing mode selection device that selects one of a still image photographing mode for photographing a still image in response to a photographing instruction and a dynamic image photographing mode for photographing a dynamic image in response to a photographing instruction;

5 a discharge control-type first illuminating device that emits illuminating light toward a subject in response to a light emission instruction issued after light emission is enabled;

10 a current-controlled second illuminating device that emits illuminating light toward the subject in response to the light emission instruction; and

15 an illumination control device that issues the light emission instruction to the first illuminating device if the still image photographing mode has been selected by the photographing mode selection device and issues the light emission instruction to the second illuminating device if the 20 dynamic image photographing mode has been selected by the photographing mode selection device.

10. A camera system comprising:

an imaging device that captures a subject image and 25 outputs an imaging signal;

a current-controlled illuminating device that emits illuminating device toward a subject in response to a light emission instruction issued after light emission is enabled; and

- 5 an illumination control device that controls the illuminating device so as to repeatedly emit light and turn off light synchronously with the timing with which an image is captured for each frame by the imaging device while images for a plurality of frames are continuously captured in
- 10 response to a photographing instruction.